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Attorney Docket No. 016914/0182

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MAEDA *et al.*

Serial No. 09/160,805

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Examiner: J. Bergin

Title: AIR GUN



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SUBMISSION OF FORMAL DRAWINGS

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Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant submits herewith twenty sheets of formal drawings, containing Figures 1-20 for this case.

Respectfully submitted,

November 30, 1999
Date

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Should additional fees be necessary in connection with the filing of this paper, or if a petition for extension of time is required for timely acceptance of same, the Commissioner is hereby authorized to charge Deposit Account No. 19-0741 for any such fees; and applicant(s) hereby petition for any needed extension of time.

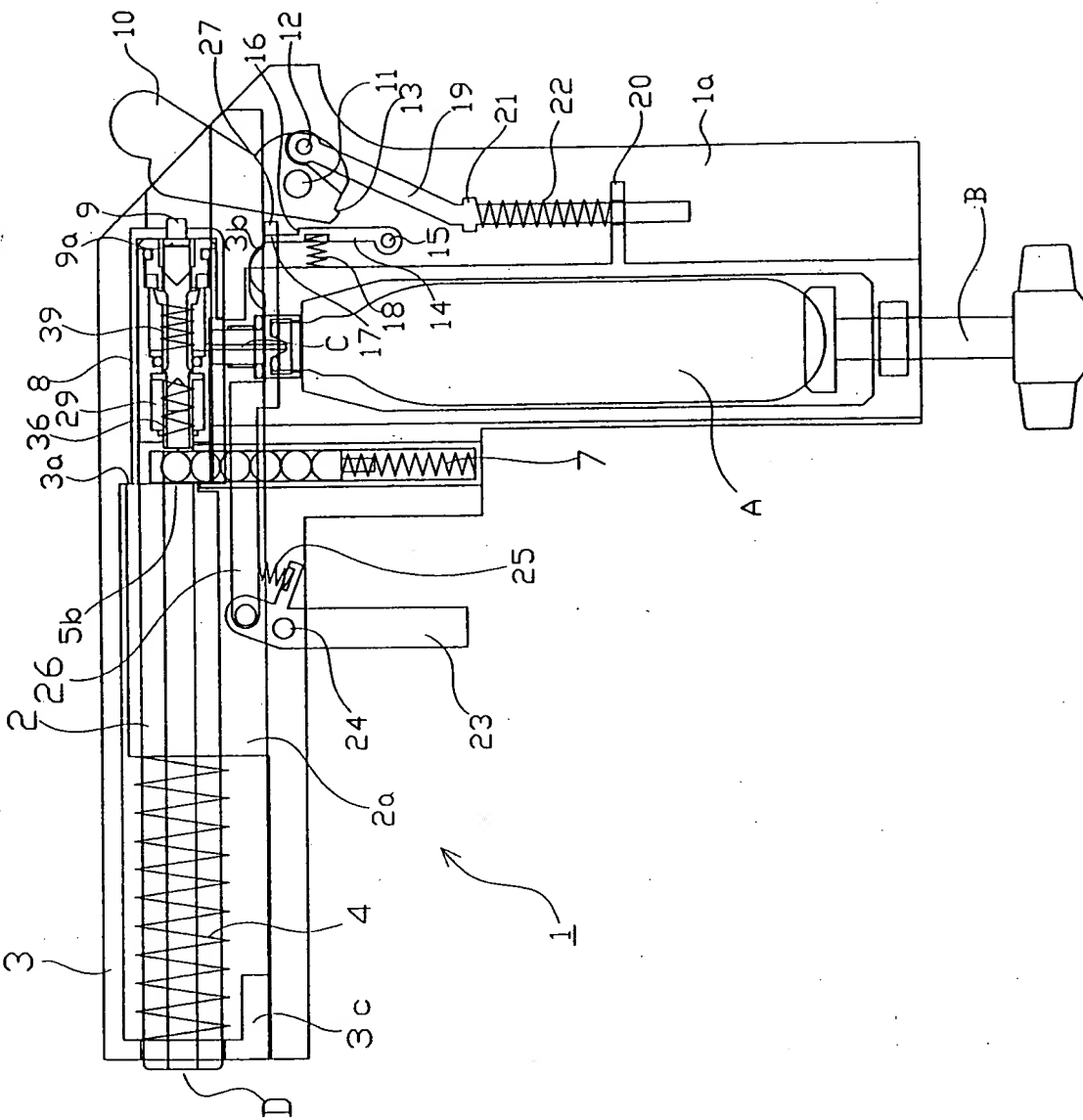


FIG-2

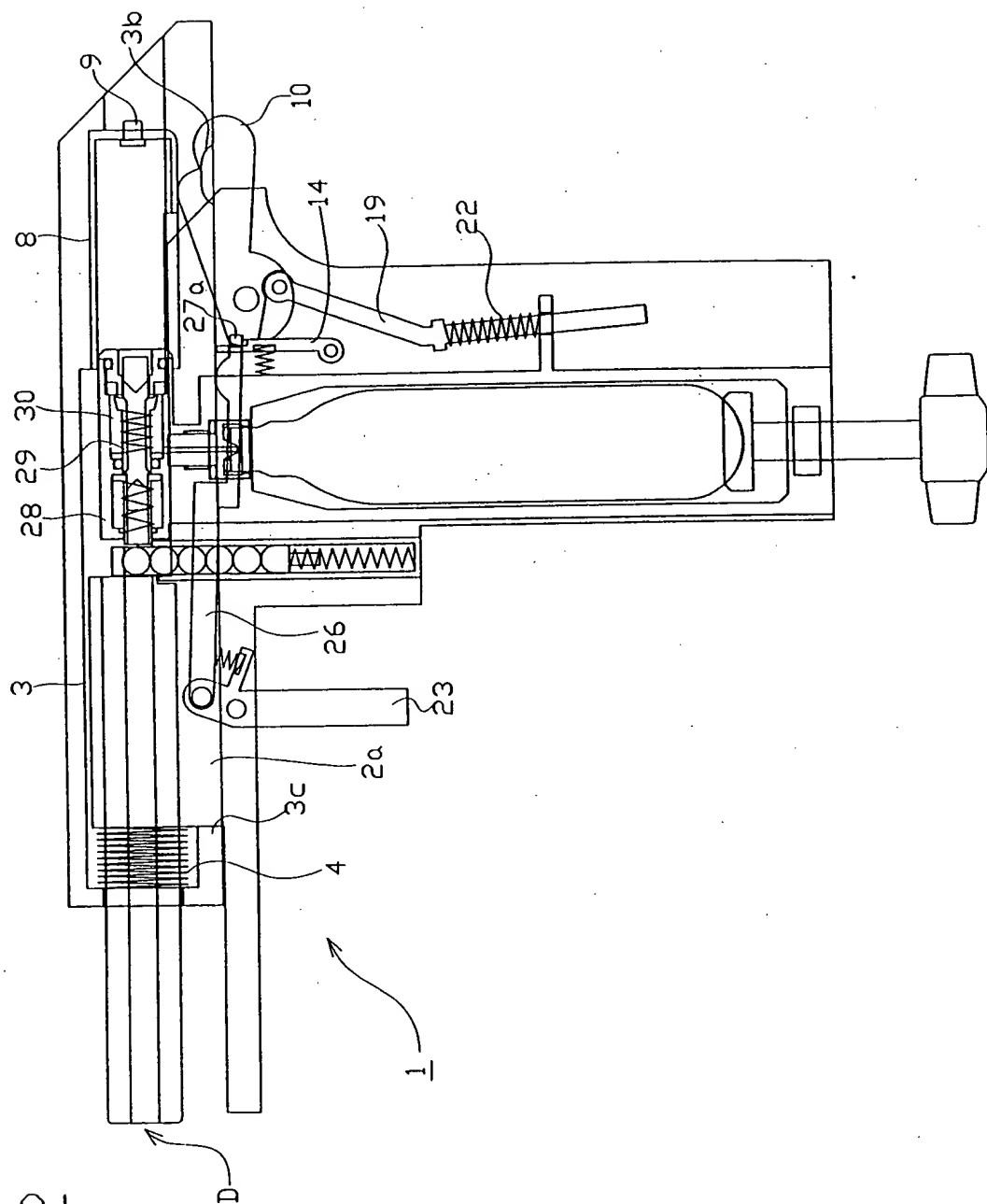


FIG-3

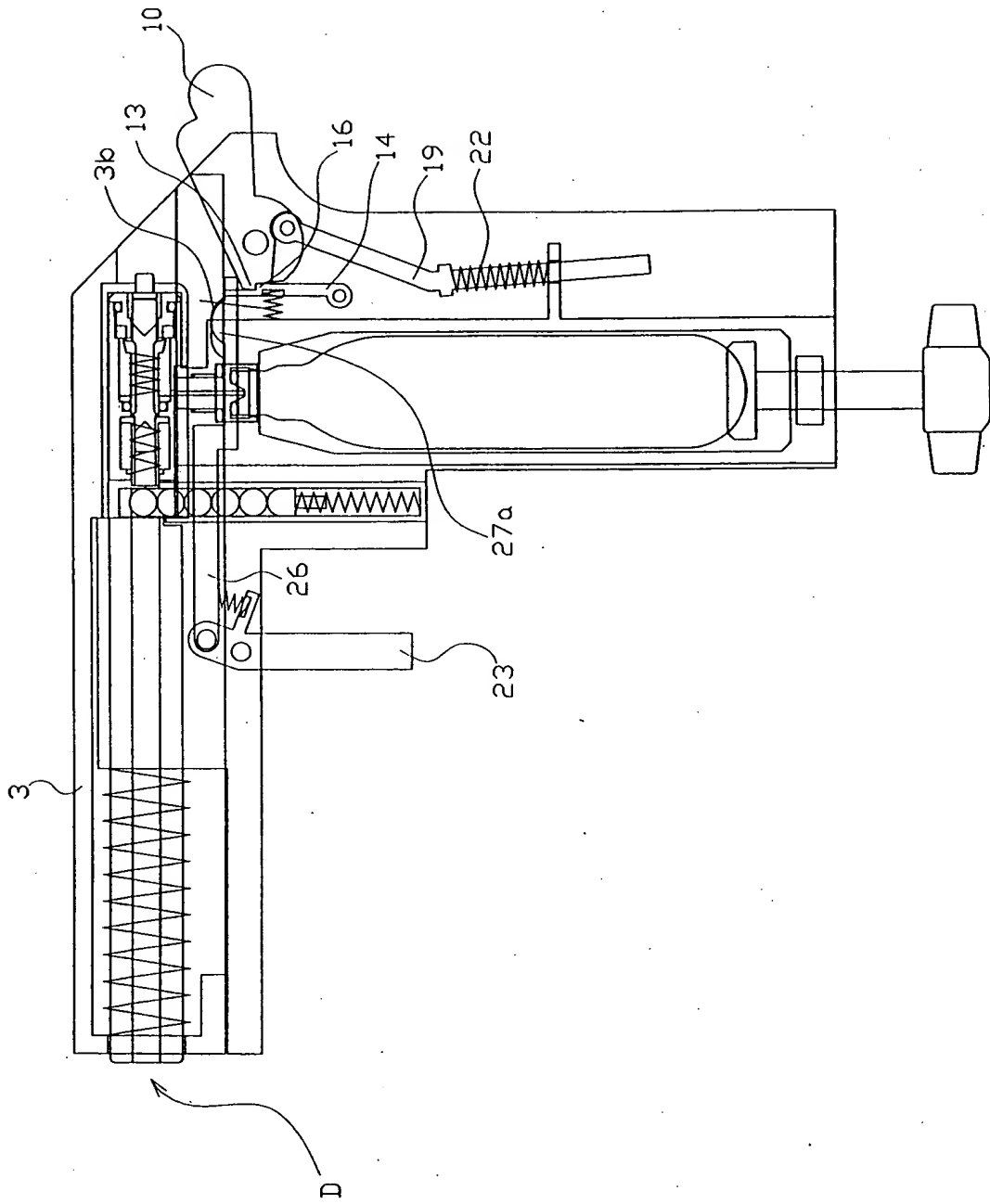


Fig. 1 is a schematic diagram of a mechanical device, likely a pump or valve, showing various components labeled with numbers 10 through 27. The device includes a main body with a handle on the right, a piston rod, a piston, a valve assembly, and a spring mechanism. A label 'D' with an arrow points to the left side of the device.

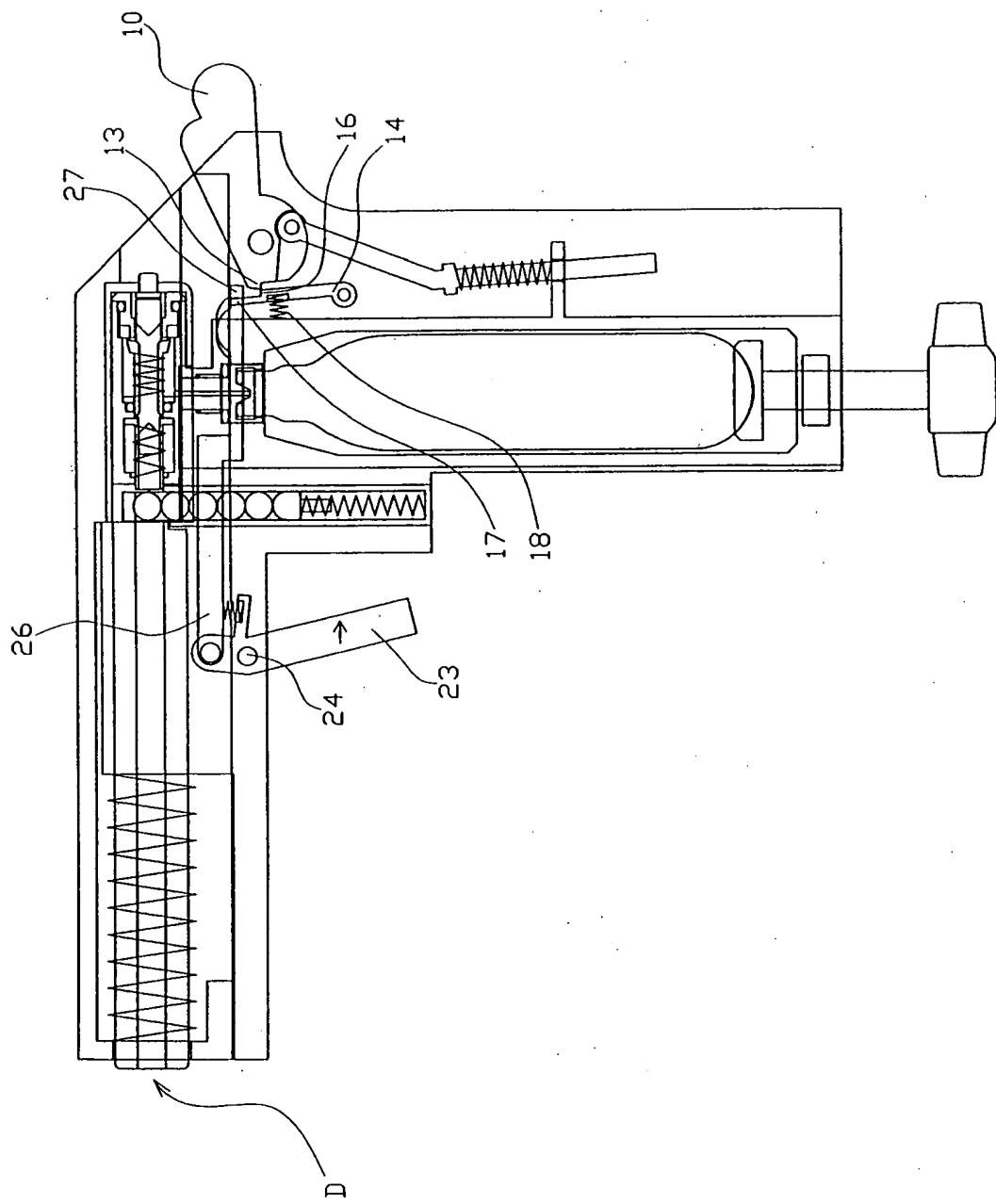


FIG-5

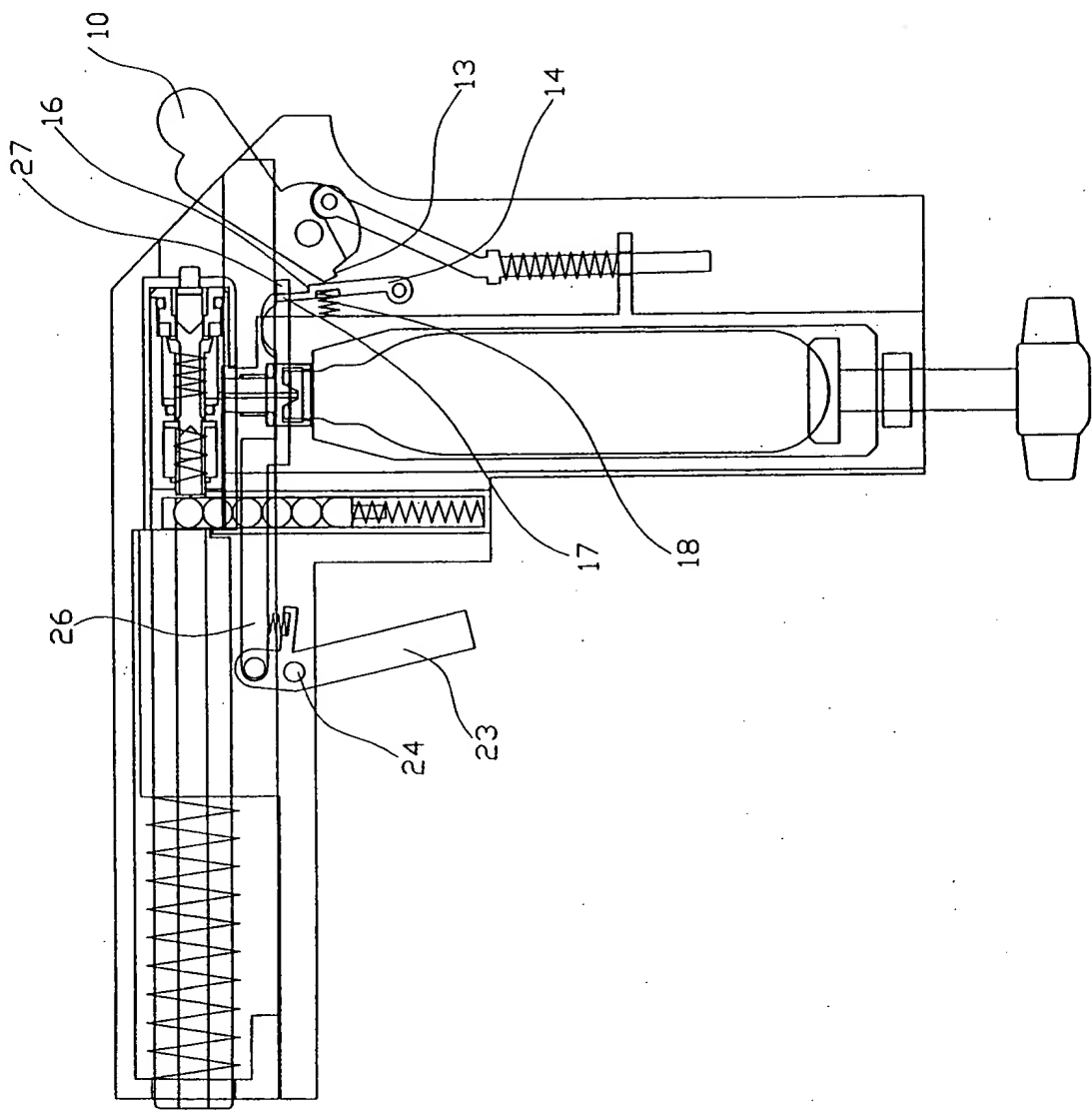


FIG-6

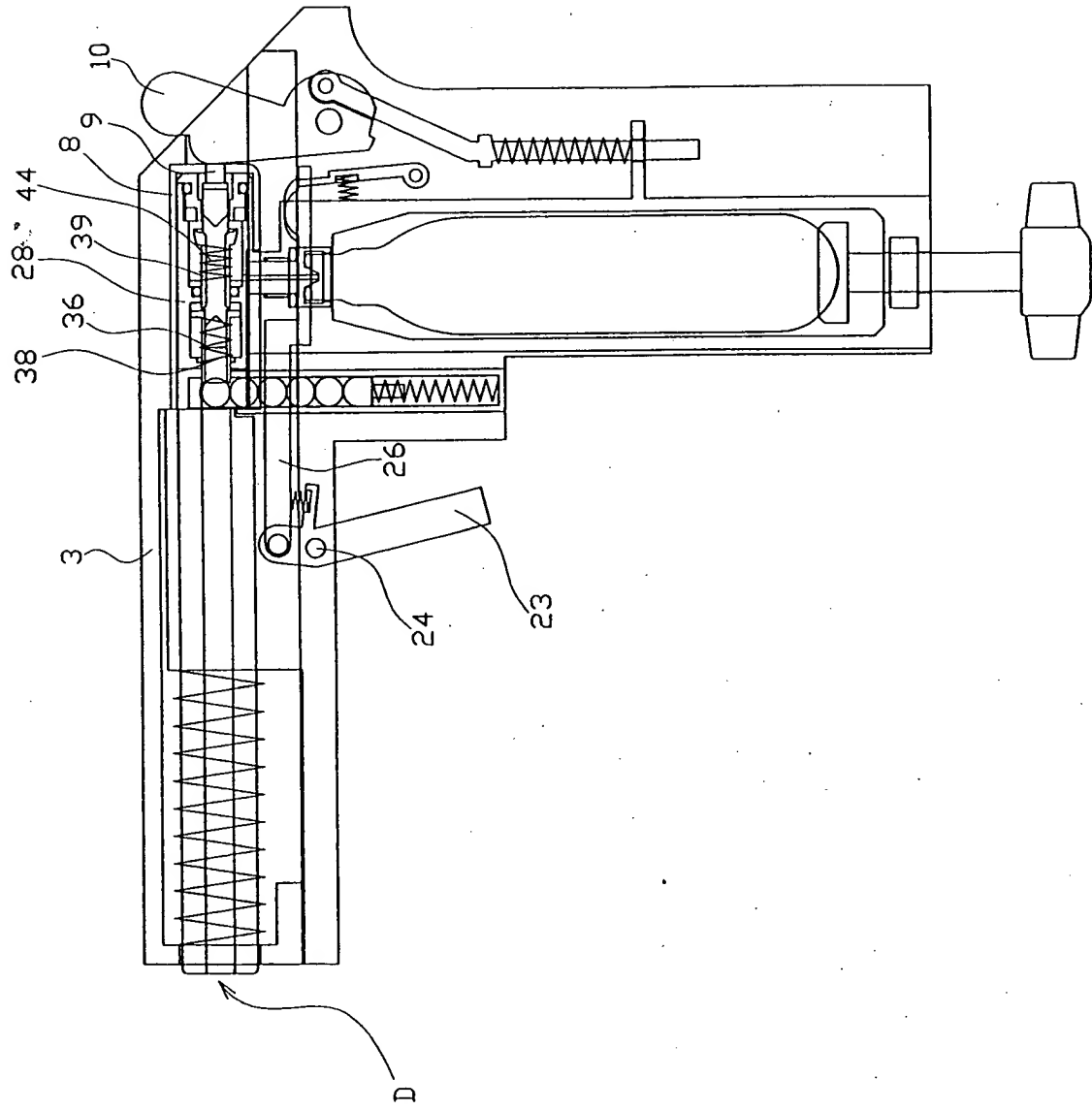


FIG-7

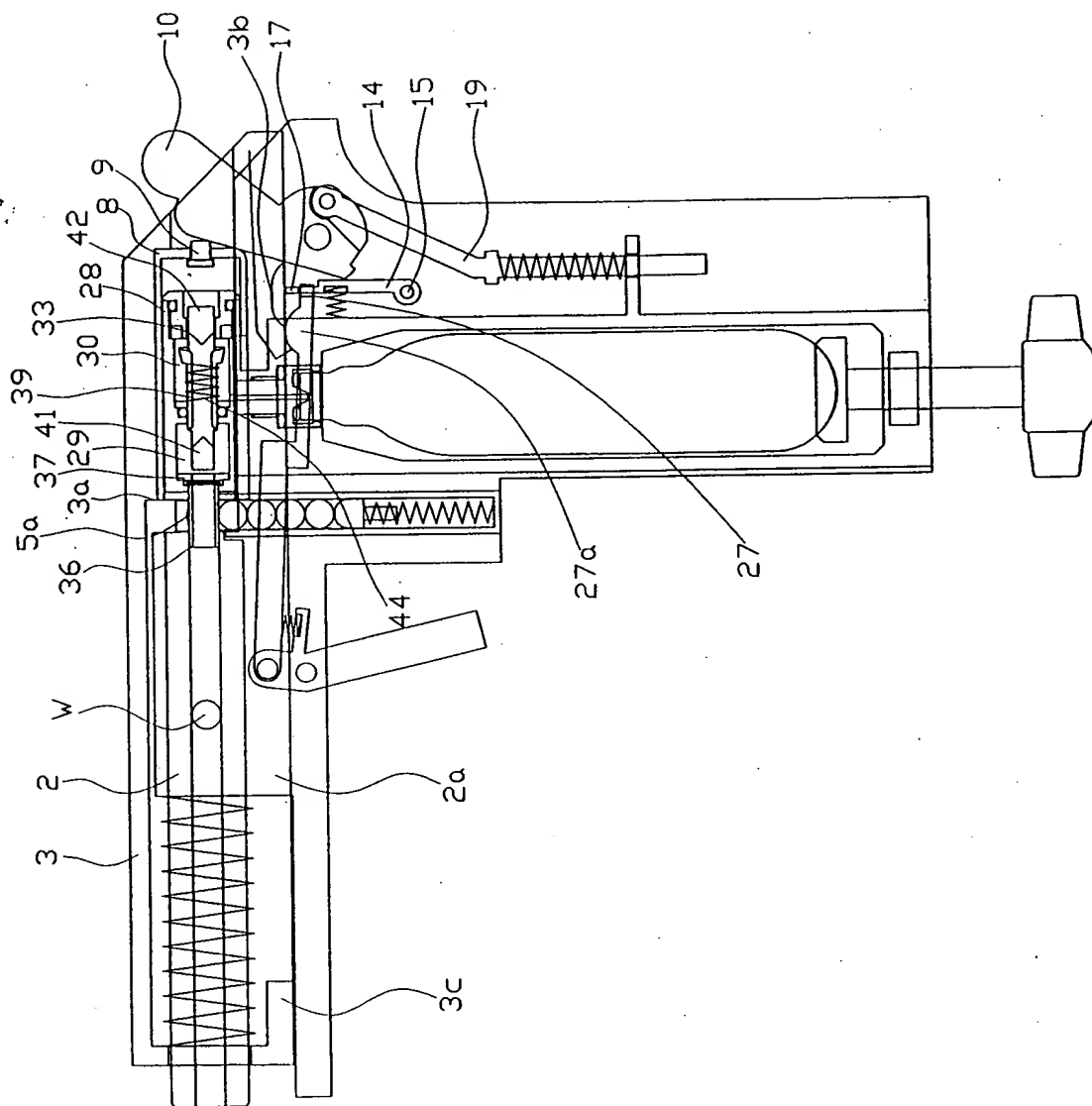
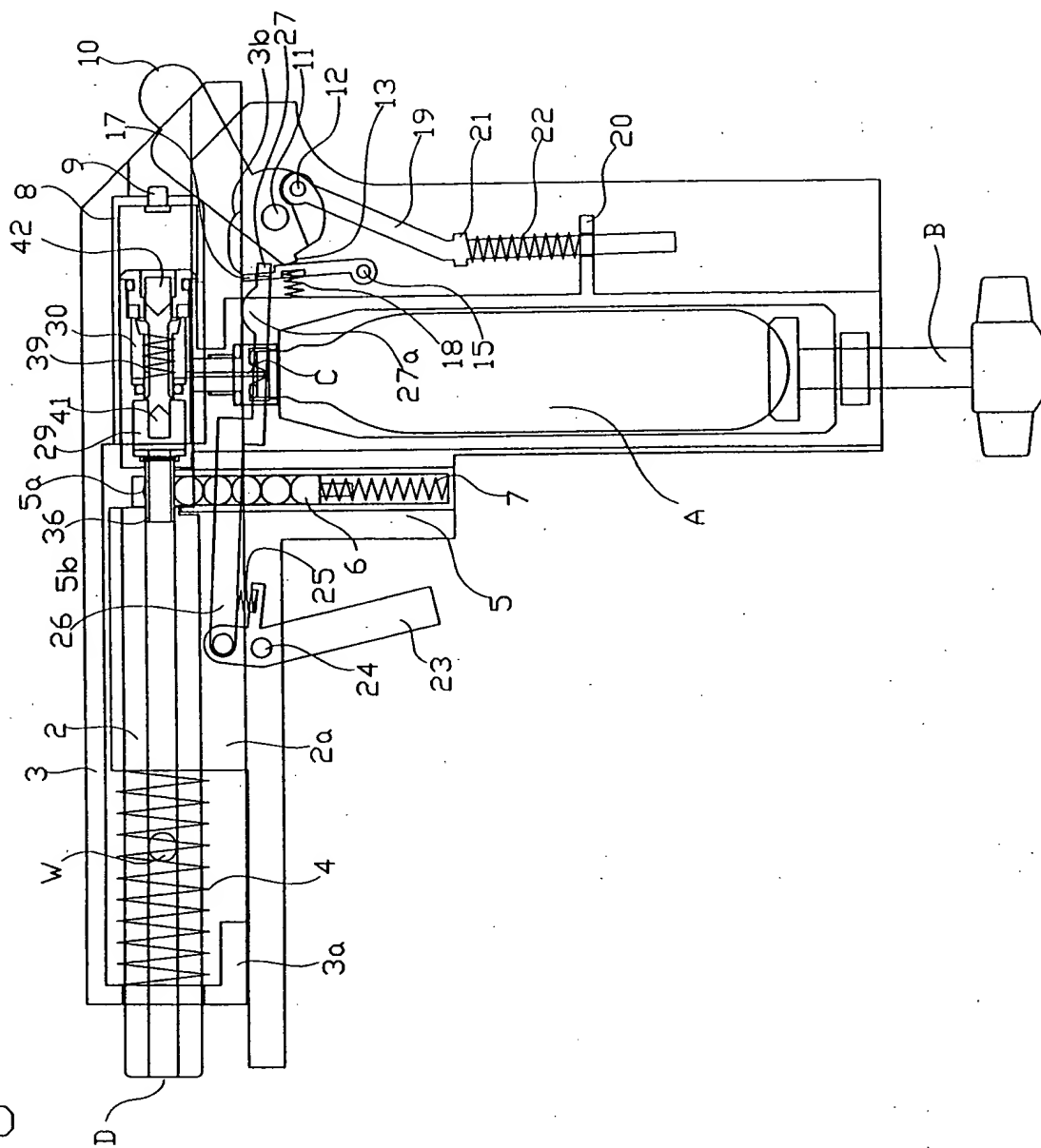


FIG-8



9-1514

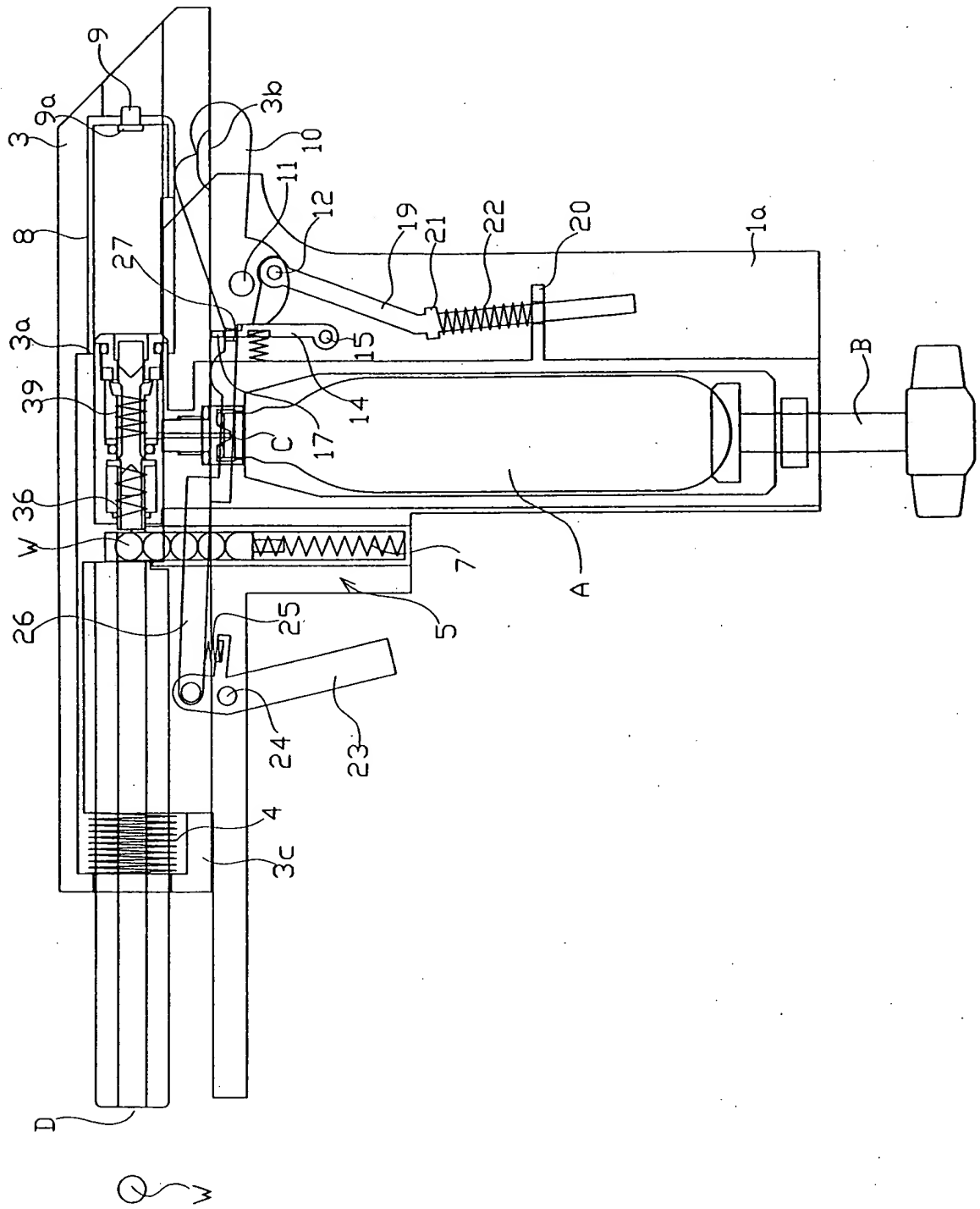
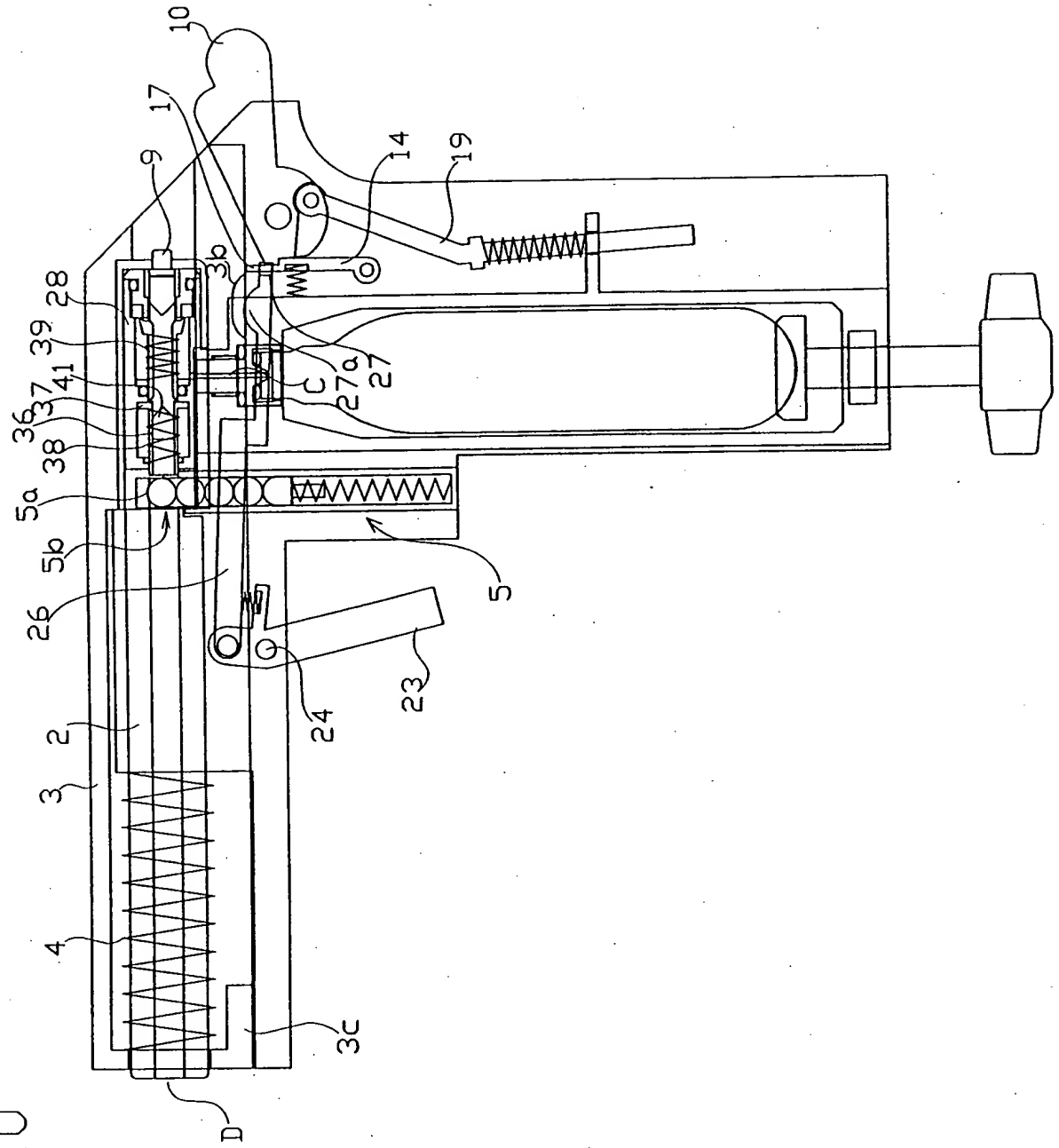


FIG-10



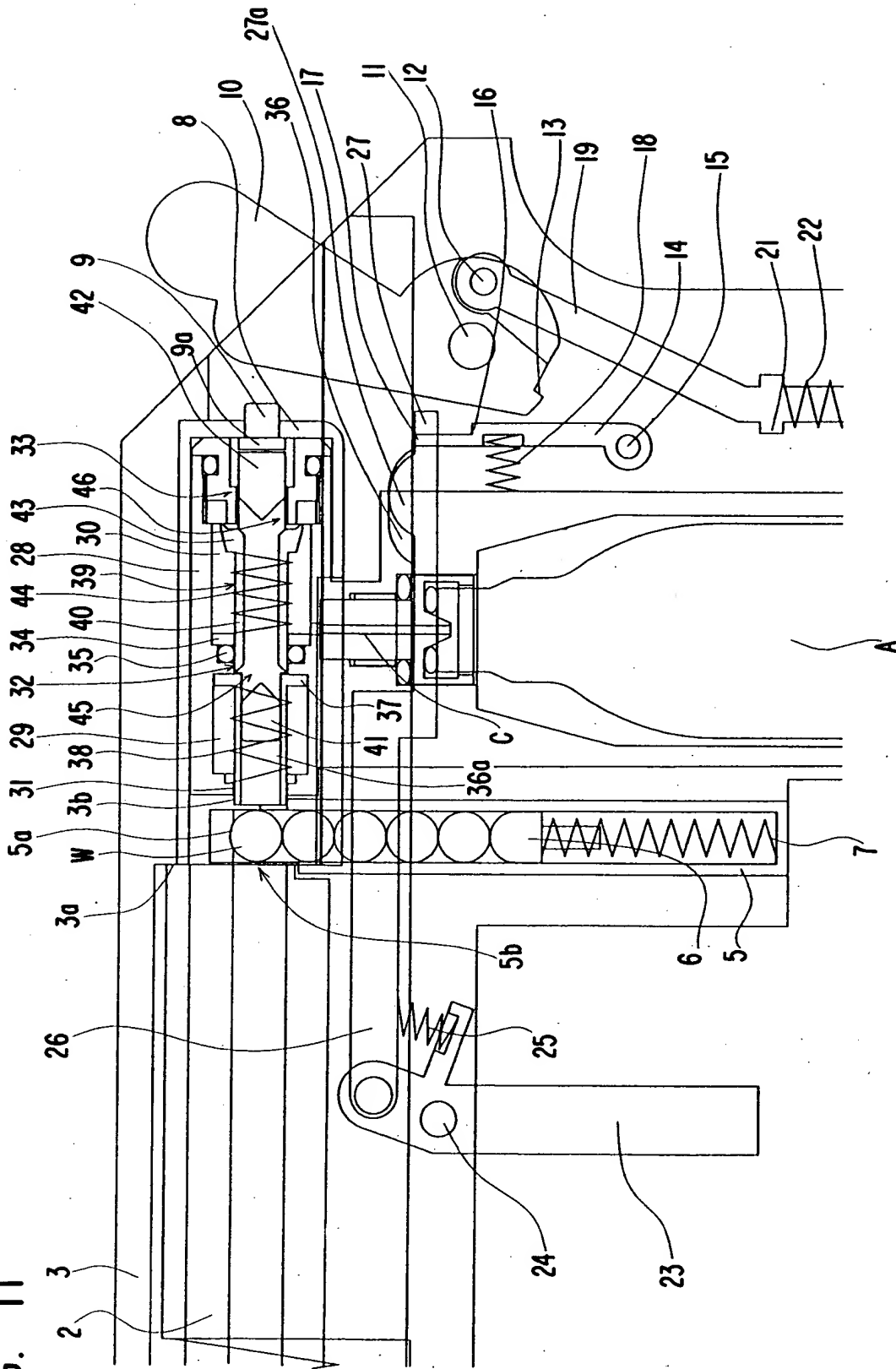
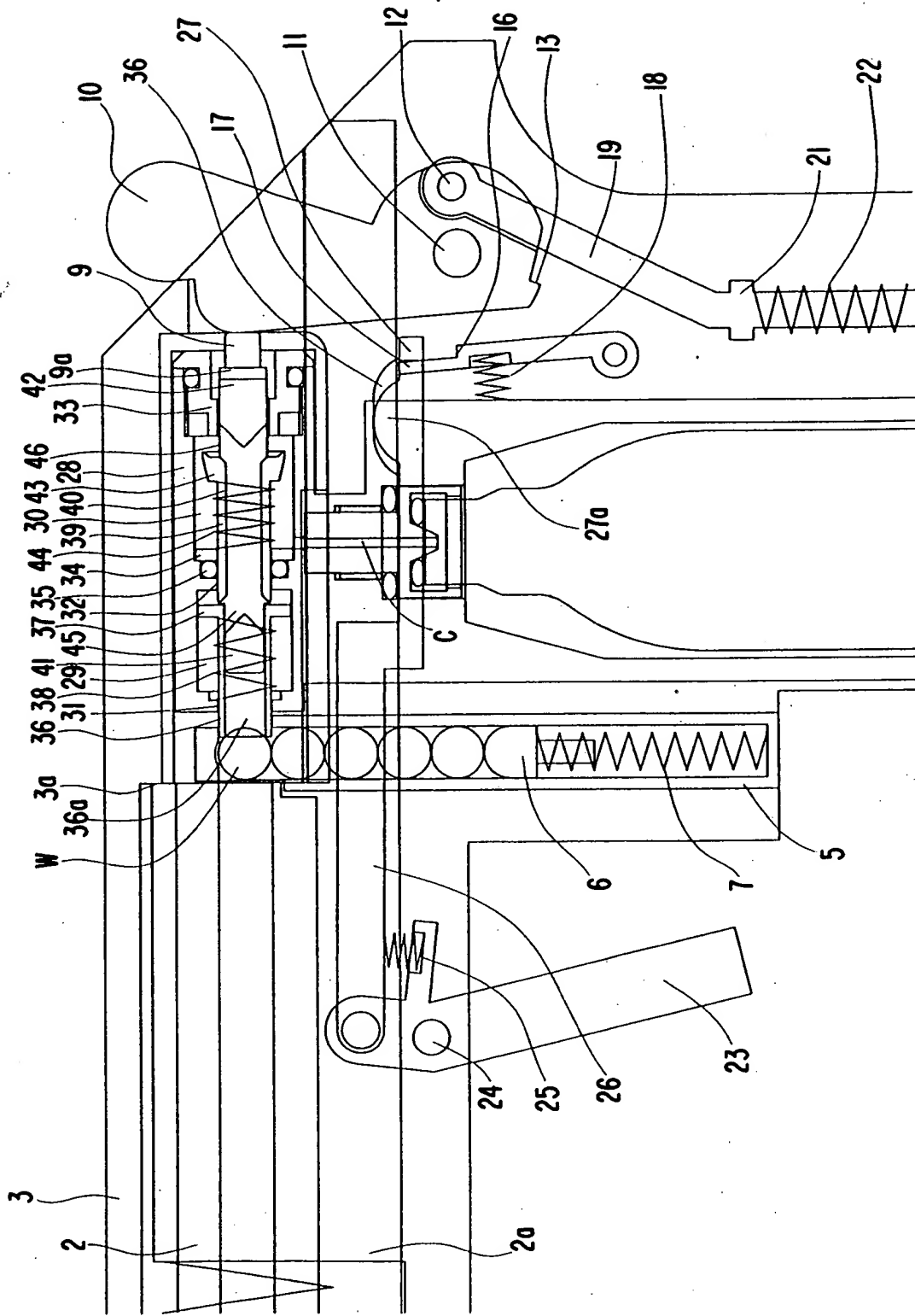


FIG. 12



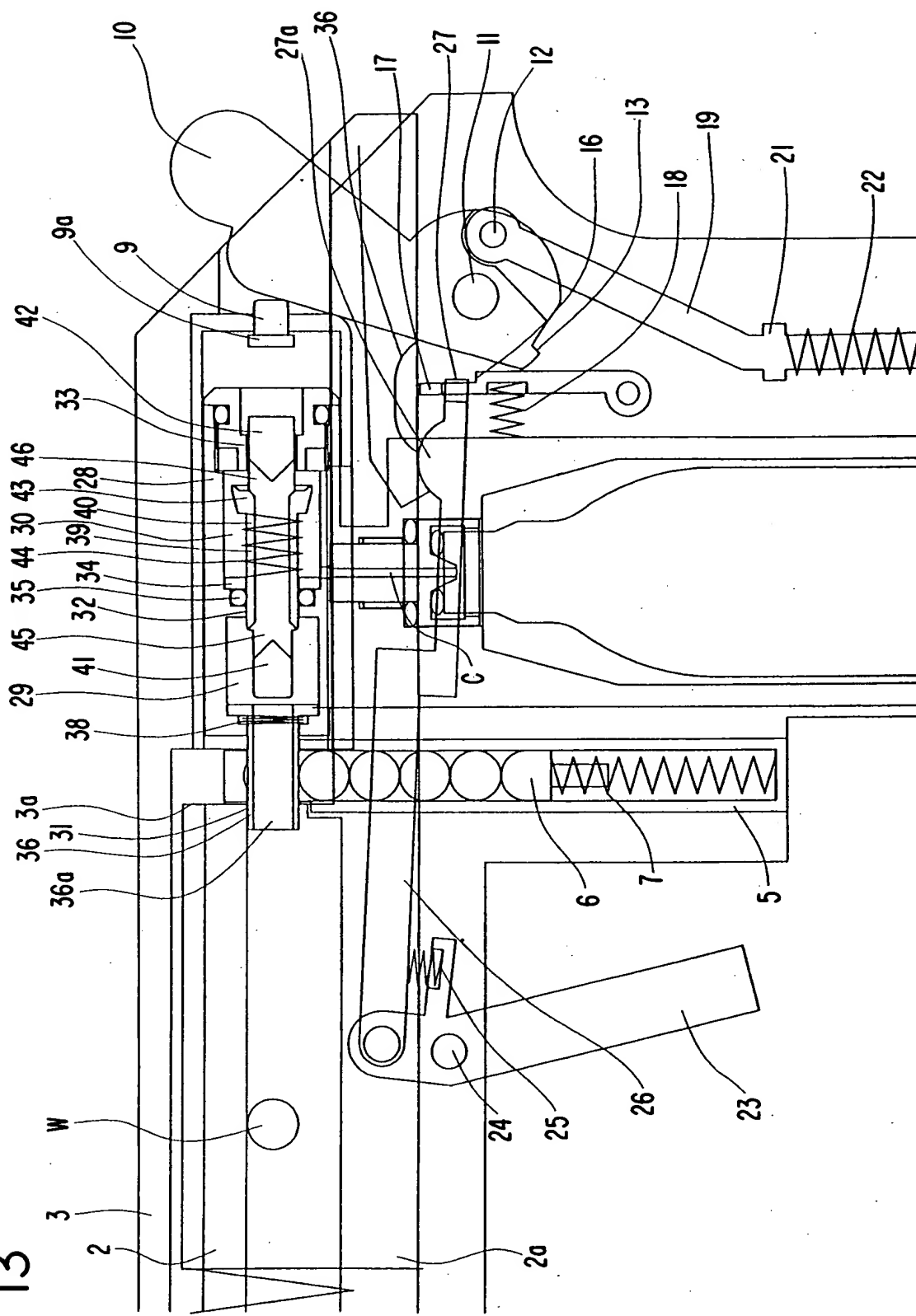


FIG. 14

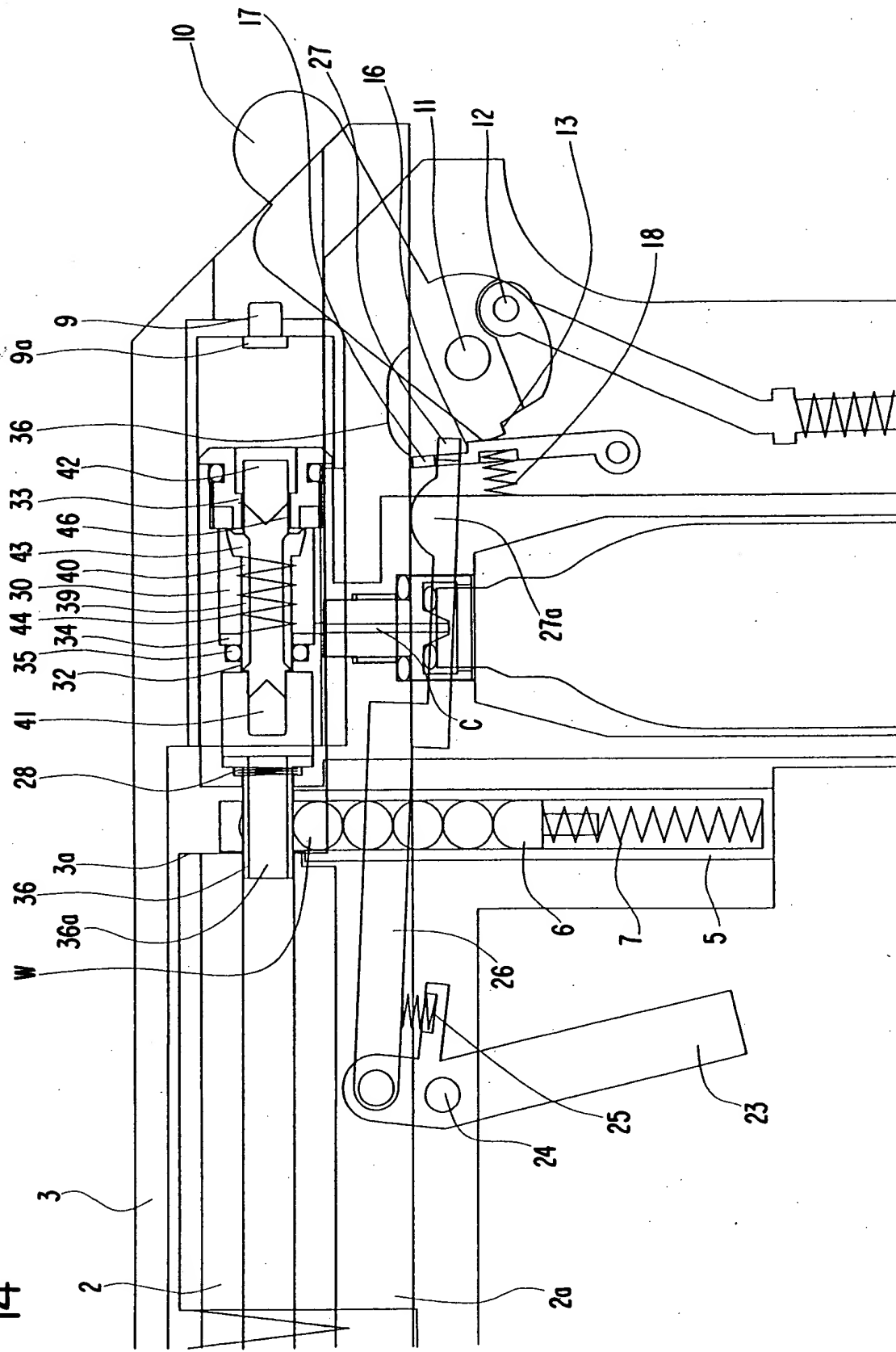


FIG. 15

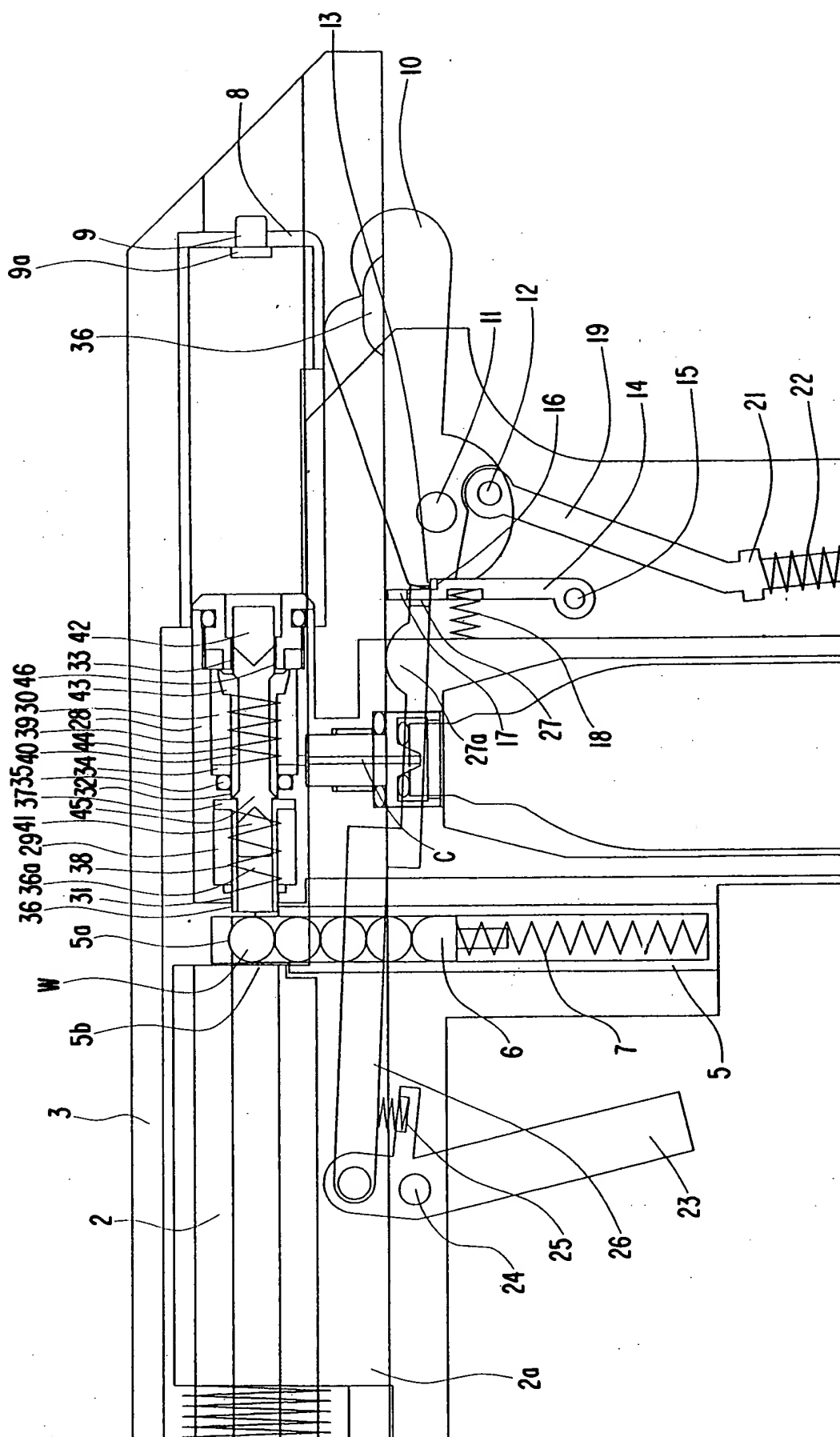


FIG. 16

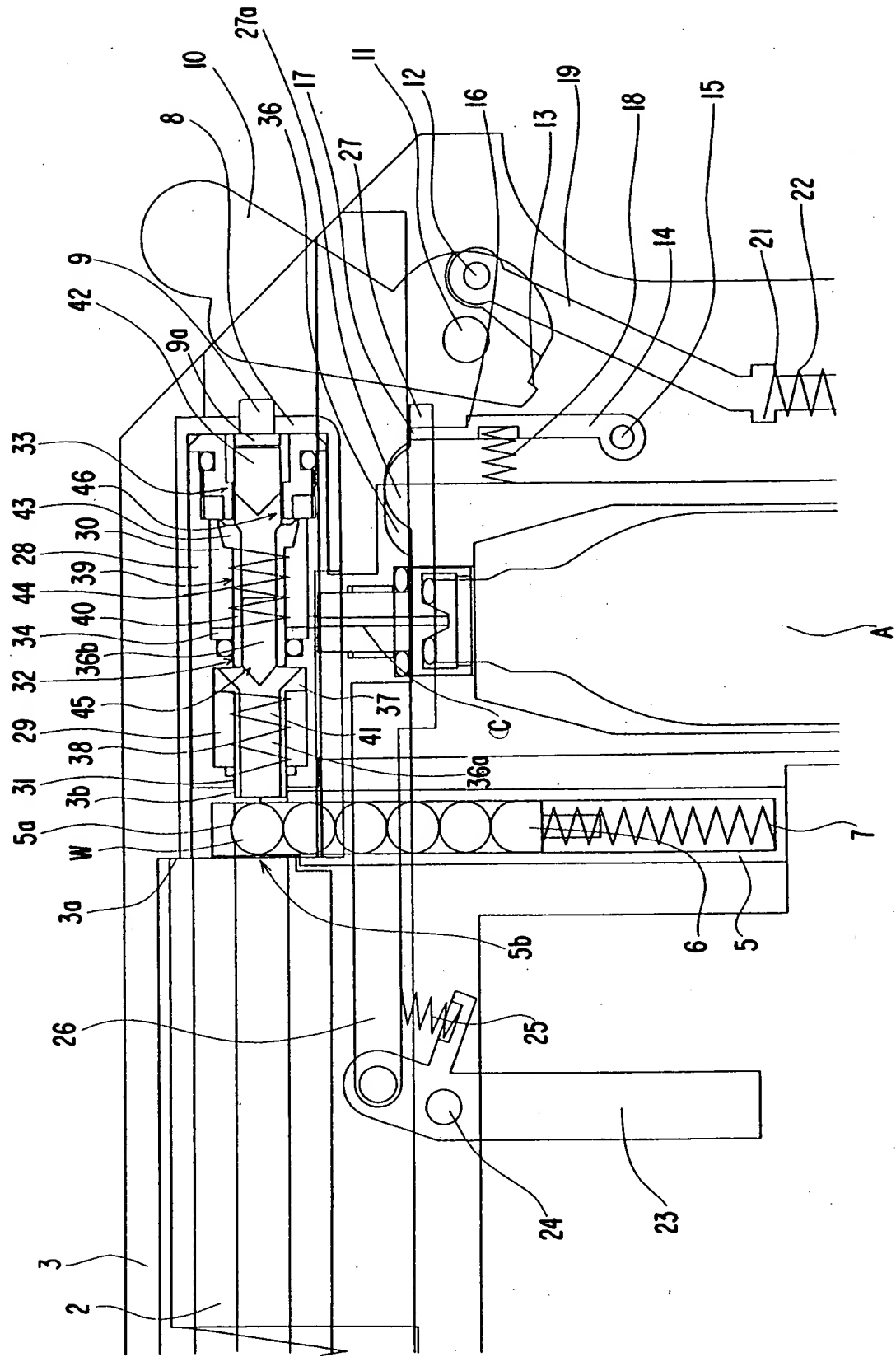


FIG. 17

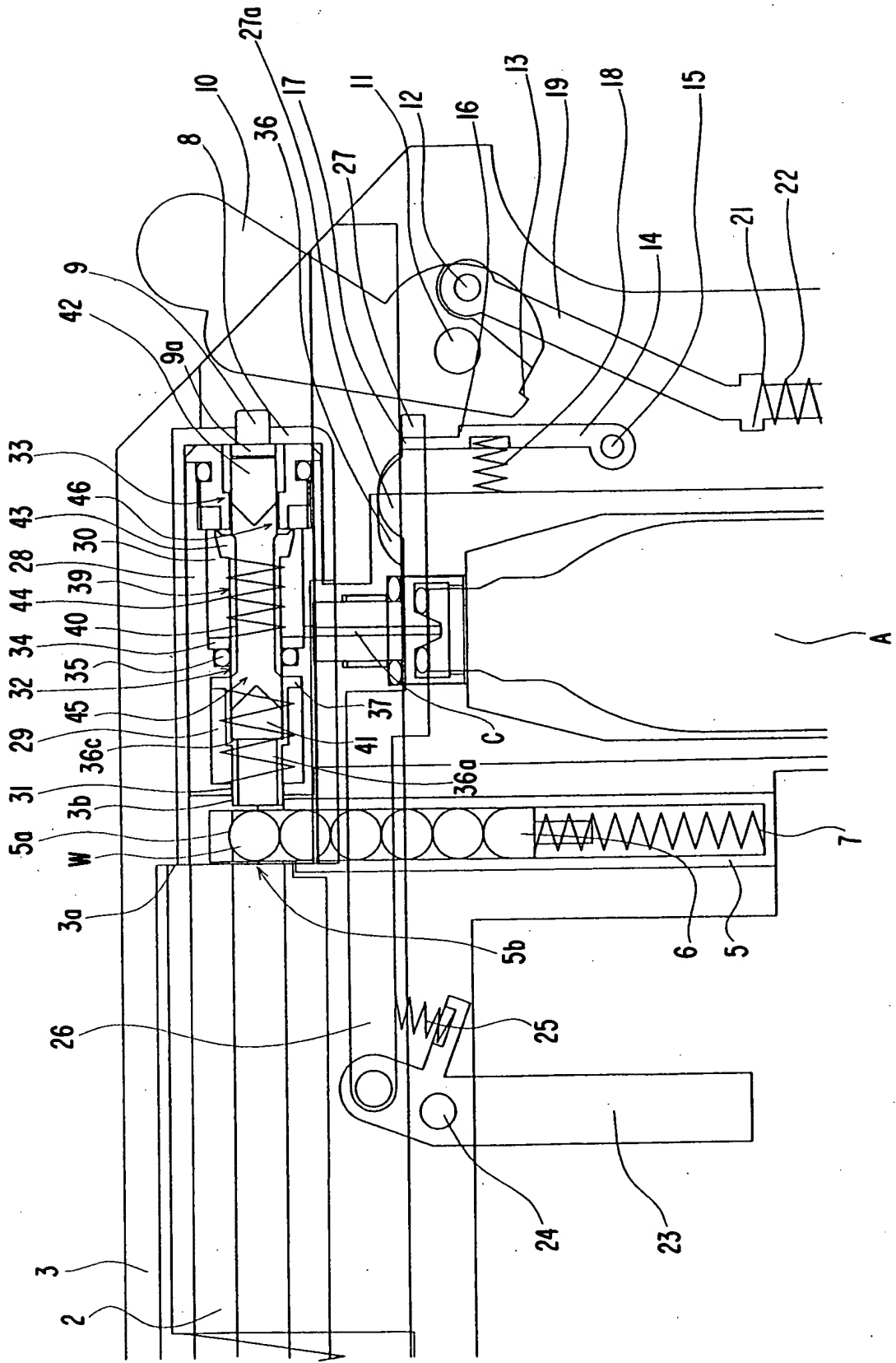


FIG-18

FIG-18 is a detailed cross-sectional view of a mechanical assembly, likely a valve or actuator. The diagram shows a central vertical shaft (23) passing through a housing (5). A piston (6) is mounted on the shaft, with a spring (7) below it. A lever (24) is pivoted to the shaft and has a spring (25) attached. A control rod (21) with a handle (22) is connected to the lever via a linkage (14, 15, 16, 17, 18, 19, 20). The assembly is mounted on a base (26) with a flange (27). Various other components are labeled with numbers 1 through 30, including seals, guides, and structural parts. A section line A-A is indicated on the right side.

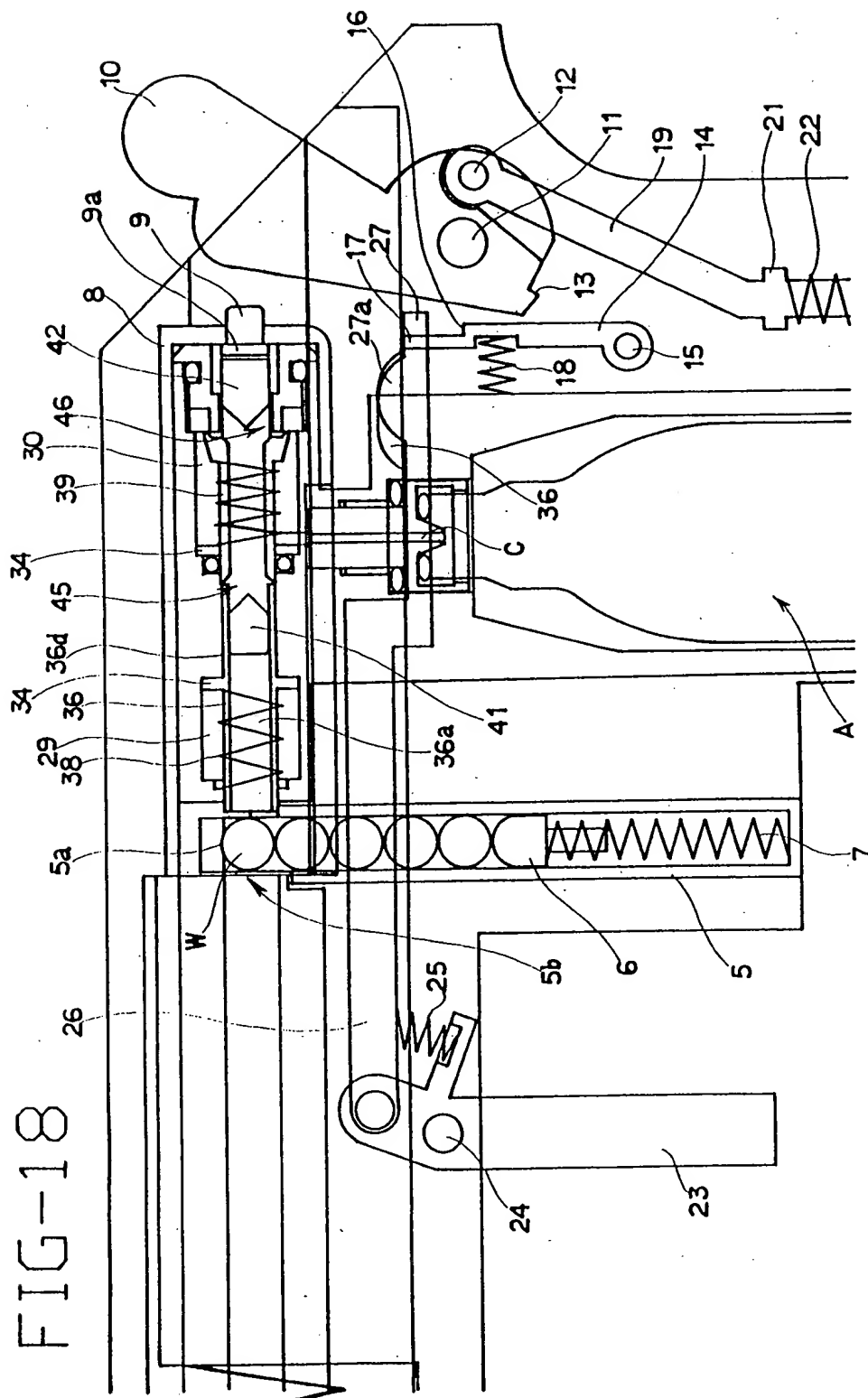


FIG-19

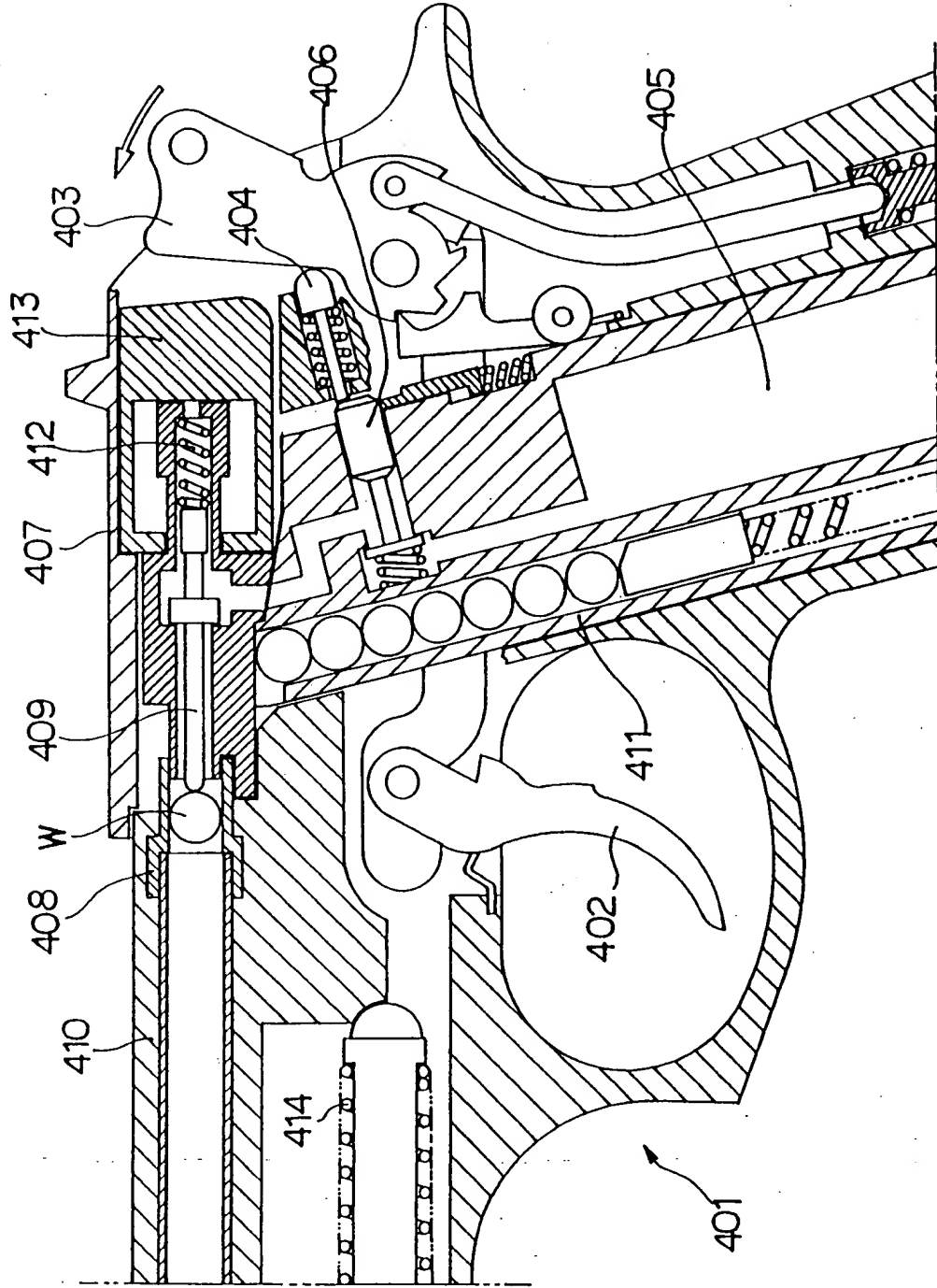


FIG-20

